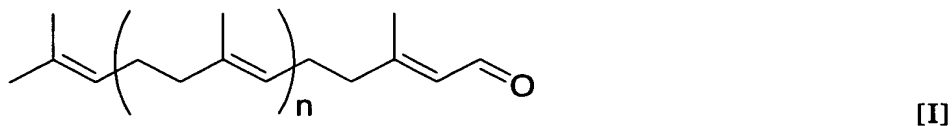


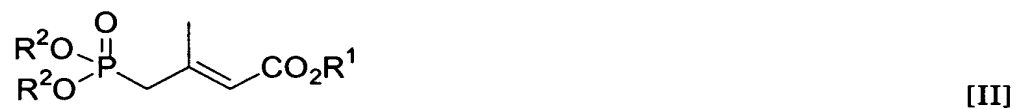
ABSTRACT

A method for preparing a polyprenyl compound wherein an aldehyde represented by the following general formula [I]:



[wherein n represents an integer of from 0 to 3]

and a Wittig reagent represented by the following general formula [II]:



[wherein each of R¹ and R² represents a group consisting of hydrocarbon] are reacted in a medium as a mixture of water and an organic solvent in the presence of a base, and further in the presence of a crown ether. Said method achieves an excellent selectivity and a high yield.